



BPU162A-1

USB LCD interface board

Work with HD44780, KS0066, SPLC780D or equivalent LCD controller

User Manual

Website: <http://www.lcdmodkit.com>

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Chapter 1 Introduction

1.1 Package Contents



1.2 Specification

Data Transfer	USB 1.1 compliant
Driver	For Windows 98, Windows XP, Vista, Windows 7/8 (32 & 64 bits)
Work with	16x1, 16x2, 16x4, 20x4 LCD
Dimensions	44x22x5.5mm
Application	Lcd Smartie / Linux Lcdproc / Linux LCD4Linux
USB connection	mini USB
USB ID	VID : 0403, PID: C630

Note: Computer cannot control more than one USB LCD with same USB VID/PID pairs at the same time. It only communicate one of them only. If you want to control more than one USB LCD by a computer, you must make sure that its USB VID/PID pair are not same. We have provide different USB VID/PID pair USB LCD, please see the specification of them.

Chapter 2 Soldering guide & Hardware Setup

2.1 Soldering pads

■ PIN CONFIGURATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Vss	VDD	V0	RS	R/W	E	DB0	DB1	DB2	DB3	DB4	DB5	DB6	DB7	LEDA	LEDK

Soldering pins: Vss, Vdd, Vo, RS, R/W, E, DB4, DB5, DB6, DB7, LEDA, LEDK
(DB0, DB1, DB2, DB3 no need to be soldered)



2.2 Connecting USB cable

2.1.1 USB LCD module side



2.1.2 USB port side

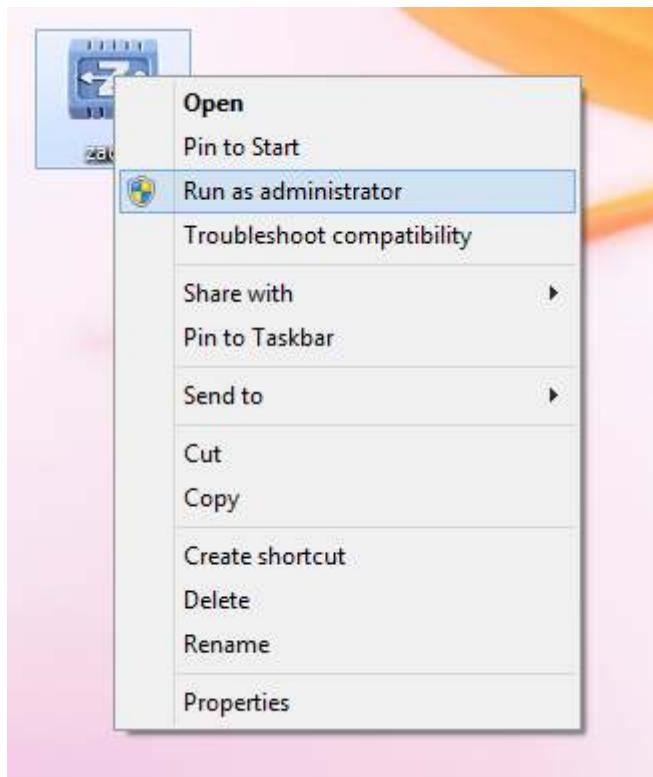


Chapter 3 Driver Installation

- 3.1 Power up message will be shown on the LCD screen when computer power on.
- 3.2 Find out the zadig driver installation program in our software packs in our web site.



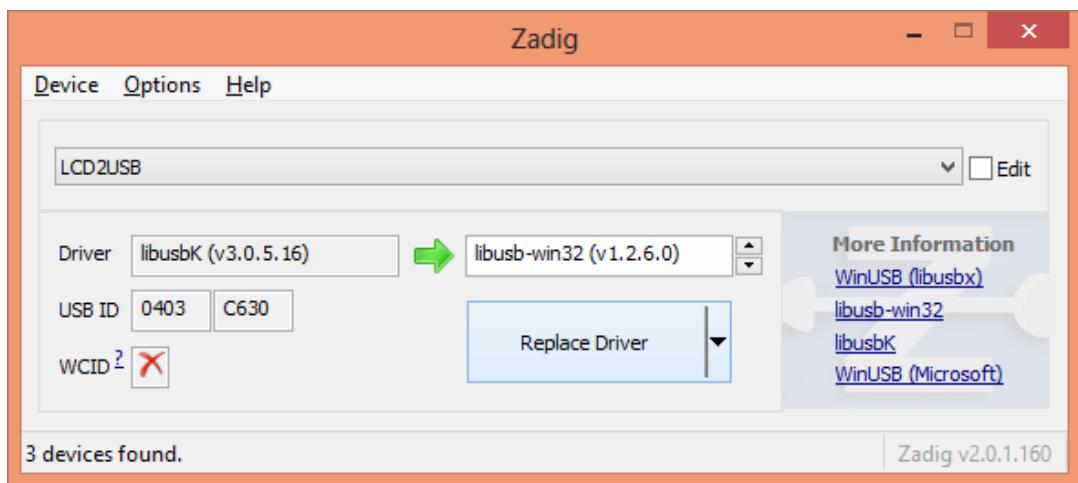
- 3.3 Run the zadig.exe as administrator (Windows XP users, please run the zadig.exe XP version)



3.4 In "Options", tick "List All Devices"



3.5 Select "LCD2USB" device and then select the "libusb-win32" or "libusbK" driver



3.6 Click "Install Driver"/"Replace Driver"/"Reinstall Driver" button

Chapter 4 Software Installation

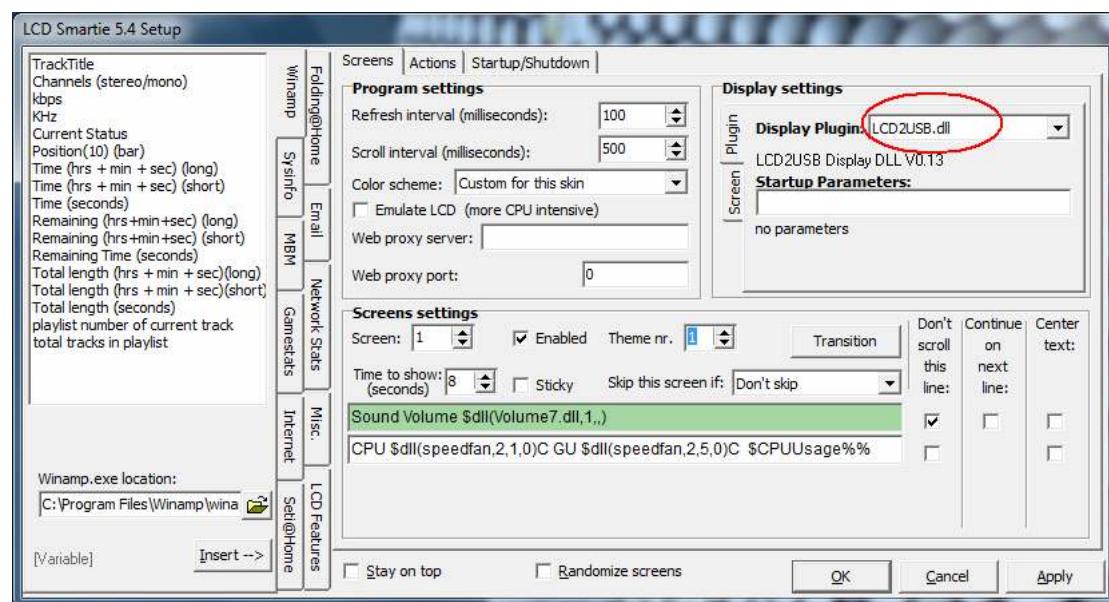
- 4.1 Unzip the “lcd_smartie_v5.4” to any drive any folder you like.
- 4.2 Unzip the “LCD2USB-smartie.zip” to any drive any folder you like.
- 4.3 Copy the LCD2USB.dll to the displays folder.



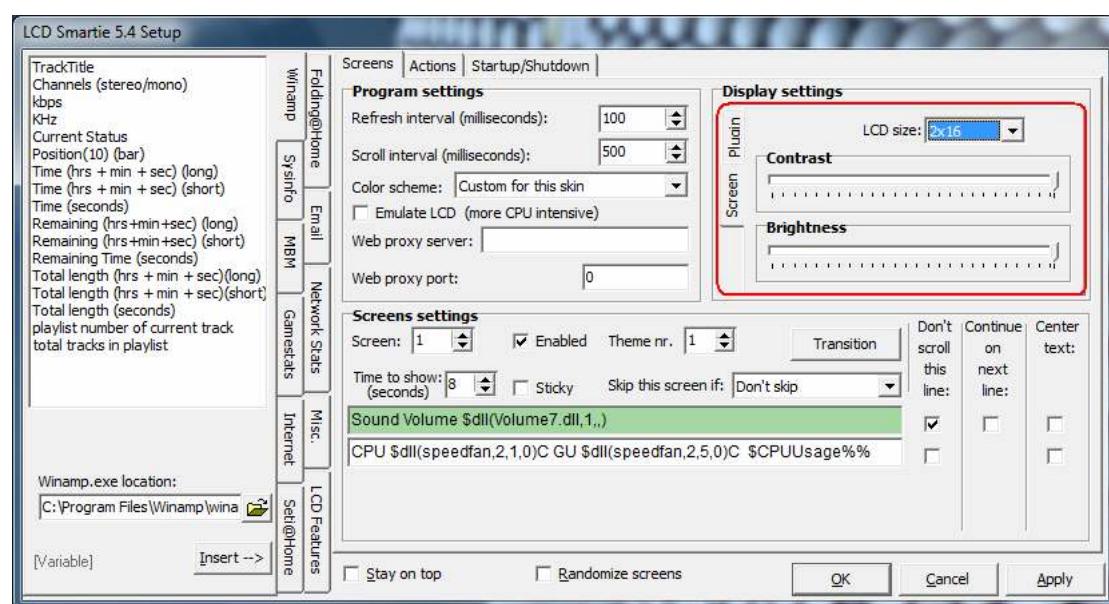
4.4 Run “LCDSmartie”



4.5 Set the display plugin to “LCD2USB.dll” in setup



4.6 Change the LCD size to “2x16” and tune the LCD contrast and brightness of backlight



Note: For more details about LCDSmartie, please go through the official site of LCDSmartie
<http://lcdsmartie.sourceforge.net/>

